

Figure 1S: Analysis of Epac1 and Epac2 expression. RNA was isolated and cDNA was reverse transcribed and amplified from HUVEC and HEK293 cells. Specific primers for Epac1 and Epac2 together with the indicated templates were subjected to RT-PCR as described in Fang Y and Olah ME, 2007. An expected 450bp band was observed for Epac1 in HUVEC while a predicted 650bp band for Epac2 was observed in HEK293 cells but not in HUVEC samples. B) Cell lysates of PC12 cells and HUVEC were electrophoresed on an 8% SDS-PAGE and western blotted with an Epac2 antibody (Santa Cruz) or tubulin as a protein loading control. A band of approx. 120kD was observed in both samples, however the mobility of the band in HUVEC is slower than that observed for PC12 cells.

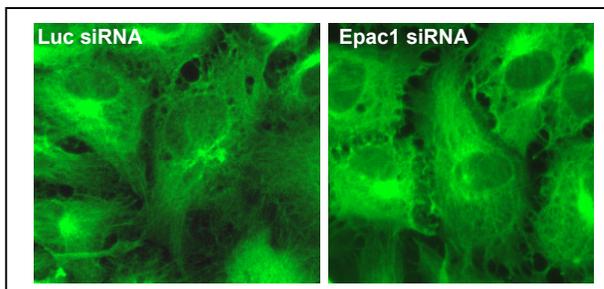


Figure 2S: Microtubule distribution in HUVEC following Epac1 silencing. HUVEC expressing Luc or Epac1 siRNA were stained with anti- α -tubulin antibody. Representative fields of the indicated samples are shown.